## AMENDMENTS TO THE CLAIMS

- 1. (Currently Amended) An additive <u>suitable for addition to a polyol</u> reactant used in the <u>manufacture of a polymer foam, the additive comprising:</u>
- (a) a benzotriazole, the benzotriazole being present in the additive in an amount of about 0.5 to about 6.0 parts per hundred parts of the polyol (php),[[;]]
- (b) a lactone-based antioxidant <u>having a 3-phenylbenzofuran-2-one</u> <u>structure</u>, the lactone-based antioxidant being present in the additive in an amount of <u>about 0.05 to about 1.0 php</u>, and
- (c) a compound third component selected from the group consisting of: secondary phenyl amines and hindered phenols;
  - (i) about 0.05 to about 1.0 php of a secondary phenylamine,
  - (ii) about 0.05 to about 2.0 php of a hindered phenol, and
- (iii) a combination of about 0.05 to about 1.0 php of a secondary phenylamine and about 0.05 to about 2.0 php of a hindered phenol.

  wherein said additive is effective for reducing undesitable yellowing when applied in a polyurethane foam.
- 2. (Currently Amended) The additive of Claim 1 wherein said compound (c) third component comprises is a secondary phenyl amine phenylamine.
  - 3-16. (Canceled)
- 17. (Currently Amended) The additive of Claim 1 wherein said compound (c) third component comprises is a hindered phenol.
- 18. (New) The additive of claim 1, wherein said third component is a combination of a secondary phenylamine and a hindered phenol.
  - 19. (New) The additive of claim 1, wherein said additive comprises:
  - (a) about 0.8 to about 2.0 php of a benzotriazole,
- (b) about 0.1 to about 0.7 php of a lactone-based antioxidant having a 3-phenylbenzofuran-2-one structure,
  - (c) about 0.1 to about 0.5 php of a secondary phenylamine, and

- (d) about 0.1 to about 1.5 php of a hindered phenol.
- 20. (New) The additive of claim 19, wherein said additive comprises:
- (a) about 0.8 to about 2.0 php of a benzotriazole,
- (b) about 0.15 to about 0.3 php of a lactone-based antioxidant having a
   3-phenylbenzofuran-2-one structure,
  - (c) about 0.1 to about 0.5 php of a secondary phenylamine, and
  - (d) about 0.25 to about 0.65 php of a hindered phenol.
- 21. (New) The additive of claim 1 wherein said benzotriazole conforms to the structure of Formula (I)

(1)

wherein  $R_1$ ,  $R_2$ , and  $R_3$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

22. (New) The additive of claim 19 wherein said benzotriazole conforms to the structure of Formula (I)

**(I)** 

wherein  $R_1$ ,  $R_2$ , and  $R_3$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

23. (New) The additive of claim 20 wherein said benzotriazole conforms to the structure of Formula (I)

**(l)** 

wherein  $R_1$ ,  $R_2$ , and  $R_3$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

24. (New) The additive of claim 1 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

(II)

wherein  $R_4$ ,  $R_6$ ,  $R_6$ , and  $R_7$  are individually selected from the group consisting of hydrogen and  $C_{1:30}$  alkyl groups.

25. (New) The additive of claim 19 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

(II)

wherein  $R_4$ ,  $R_5$ ,  $R_6$ , and  $R_7$  are individually selected from the group consisting of hydrogen and  $C_{1-30}$  alkyl groups.

26. (New) The additive of claim 20 wherein said lactone-based antioxidant conforms to the structure of Formula (II)

**(II)** 

$$R_{4}$$
 $R_{5}$ 
 $R_{7}$ 

wherein  $R_4$ ,  $R_5$ ,  $R_6$ , and  $R_7$  are individually selected from the group consisting of hydrogen and  $C_{1-30}$  alkyl groups.

27. (New) The additive of claim 1 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

wherein  $R_9$  and  $R_{10}$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

28. (New) The additive of claim 19 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

wherein  $R_9$  and  $R_{10}$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

29. (New) The additive of claim 20 wherein the secondary phenylamine conforms to the structure of Formula (IV)

(IV)

wherein  $R_9$  and  $R_{10}$  are individually selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

30. (New) The additive of claim 1 wherein the hindered phenol conforms to the structure of Formula (III)

(111)

wherein  $R_8$  is selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

31. (New) The additive of claim 19 wherein the hindered phenol conforms to the structure of Formula (iII)

(III)

wherein  $R_8$  is selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.

32. (New) The additive of claim 20 wherein the hindered phenol conforms to the structure of Formula (III)

**(III)** 

wherein  $R_8$  is selected from the group consisting of hydrogen, groups conforming to the formula  $C_xH_yO_z$ , where x, y, and z are from 0 to 30, and halogens.